

L5 ANSWER 57 OF 66 CAPLUS COPYRIGHT 2010 ACS on STN  
 ACCESSION NUMBER: 2003:154660 CAPLUS Full-  
 text<<LOGINID::20100117>>  
 DOCUMENT NUMBER: 138:197055  
 TITLE: Organic semiconductor components with  
 pentacene-coated transistor films  
 INVENTOR(S): Minakata, Takashi  
 PATENT ASSIGNEE(S): Asahi Kasei Kabushiki Kaisha, Japan  
 SOURCE: PCT Int. Appl., 67 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2003016599 20020807	A1	20030227	WO 2002-JP8070	
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002327354 20020807	A1	20030303	AU 2002-327354	
EP 1416069 20020807	A1	20040506	EP 2002-760569	
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK CN 1541288	A	20041027	CN 2002-815611	
CN 100334263 CN 101108783	C	20070829		
	A	20080123	CN 2007-10140774	
20020807				
JP 4219807 20020807	B2	20090204	JP 2003-520882	
US 20050258417 20040209	A1	20051124	US 2004-486276	
US 7061010 20010809	B2	20060613		
PRIORITY APPLN. INFO.:			JP 2001-242808	A

CN 2002-815611 A3

20020807

WO 2002-JP8070 W

20020807

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
OTHER SOURCE(S): MARPAT 138:197055

AB An organic semiconductor thin film suitably employed in electronics, photonics, or bioelectronics and a method for forming the thin films thereof. An organic semiconductor solution as the material in formation of the organic semiconductor thin film, and an organic semiconductor component employing the organic semiconductor thin film are also provided. The transistor is obtained by forming a gate electrode, an insulator layer, a source electrode, and drain electrodes sequentially on a glass substrate and then applying o-dichlorobenzene solution of pentacene (0.05% by mass) and drying thereby forming an organic semiconductor thin film. Since the organic semiconductor thin film can be formed easily at a low cost and has substantially no defect, a transistor having excellent electronic characteristics can be provided.

IT 135-48-8P, Pentacene

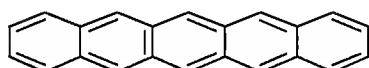
RL: DEV (Device component use); PNU (Preparation, unclassified);

PRP

(Properties); PREP (Preparation); USES (Uses)  
(organic semiconductor thin film; organic semiconductor components prepared by coating with pentacene-coated transistor films)

RN 135-48-8 CAPLUS

CN Pentacene (CA INDEX NAME)



IT 499138-96-4P, 2,3,9,10-Tetramethylpentacene

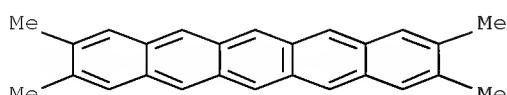
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499139-00-3P 499139-01-4P 499139-02-5P

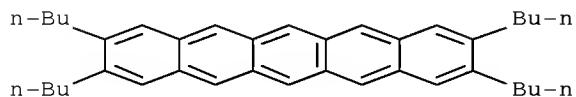
RL: DEV (Device component use); PEP (Physical, engineering or chemical process); PNU (Preparation, unclassified); PRP (Properties); PYP (Physical process); PREP (Preparation); PROC (Process); USES (Uses) (semiconductor thin film; organic semiconductor components prepared by coating with pentacene-coated transistor films)

RN 499138-96-4 CAPLUS

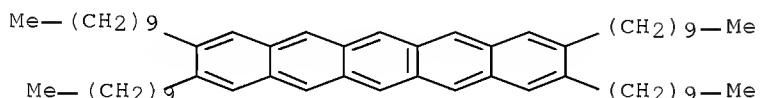
CN Pentacene, 2,3,9,10-tetramethyl- (CA INDEX NAME)



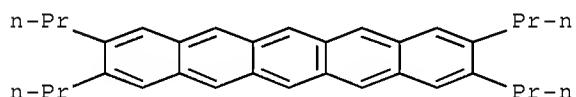
RN 499138-97-5 CAPLUS  
CN Pentacene, 2,3,9,10-tetrabutyl- (CA INDEX NAME)



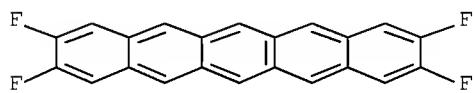
RN 499138-98-6 CAPLUS  
CN Pentacene, 2,3,9,10-tetrakis(decyl)- (CA INDEX NAME)



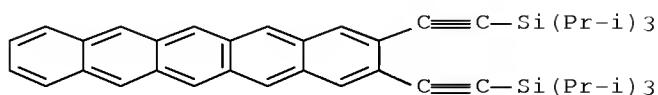
RN 499138-99-7 CAPLUS  
CN Pentacene, 2,3,9,10-tetrapropyl- (CA INDEX NAME)



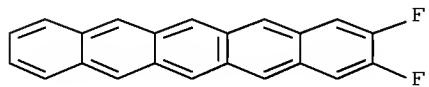
RN 499139-00-3 CAPLUS  
CN Pentacene, 2,3,9,10-tetrafluoro- (CA INDEX NAME)



RN 499139-01-4 CAPLUS  
CN Pentacene, 2,3-bis[2-[tris(1-methylethyl)silyl]ethynyl]- (CA INDEX NAME)



RN 499139-02-5 CAPLUS  
CN Pentacene, 2,3-difluoro- (CA INDEX NAME)



OS.CITING REF COUNT: 19 THERE ARE 19 CAPLUS RECORDS THAT CITE  
THIS  
REFERENCE COUNT: 6 RECORD (32 CITINGS)  
FOR THIS THERE ARE 6 CITED REFERENCES AVAILABLE  
RECORD. ALL CITATIONS AVAILABLE IN THE  
RE FORMAT